int mal Application No PCT/EP2004/008470

Relevant to claim No.

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12P13/08 C12N15/00

C. DOCUMENTS CONSIDERED TO BE RELEVANT

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Category °

Minimum documentation searched (classification system followed by classification symbols) C12N C12P IPC 7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Citation of document, with indication, where appropriate, of the relevant passages

EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ

Υ	US 2002/055151 A1 (RIEPING MEC AL) 9 May 2002 (2002-05-09) the whole document	CHTHILD ET	1-34, 36-39			
Y	NAGANO T ET AL: "HIGH EXPRESS SECOND LYSINE DECARBOXYLASE GIESCHERICHIA COLI WC196 DUE TO RECOGNITION OF THE STOP CODON POSITION WHICH CORRESPONDS TO AMINO ACID RESIDUE OF PHI38, RESIDUE BY THE AMBER SUPPRESSED BIOSCIENCE BIOTECHNOLOGY BIOCIDAPAN SOC. FOR BIOSCIENCE, BIOAND AGROCHEM. TOKYO, JP, vol. 64, no. 9, 2000, pages 20 XP009012266 ISSN: 0916-8451 the whole document	ENE, IDC, IN THE (TAG), AT A THE 33TH AS A SERINE OR," HEMISTRY, OTECHNOLOGY	15,36-39			
X Fu	rther documents are listed in the continuation of box C.	Patent family members are listed	in annex.			
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the International filing date but later than the priority date claimed</li> </ul>		or priority date and not in conflict with cited to understand the principle or the invention  "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the description of particular relevance; the cannot be considered to involve an indocument is combined with one or ments, such combination being obvious in the art.	<ul> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled</li> </ul>			
Date of the	e actual completion of the International search	Date of mailing of the international sea	arch report			
	15 February 2005	0 1. 03. 05				
Name and	mailing address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  NL – 2280 HV Rijswijk  Tel. (+31–70) 340–2040, Tx. 31 651 epo ni,  Eax: (+31–70) 340–3016	Authorized officer  Rojo Romeo, E				

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Int anal Application No
PCT/EP2004/008470

Category °	Obstant of designment with Indication where engraphics after relevant according	Relevant to claim No.
•	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	SHIIO I ET AL: "MICROBIAL PRODUCTION OF L-THREONINE PART I. PRODUCTION BY ESCHERICHIA COLI MUTANT RESISTANT TO ALPHA-AMINO-BETA-HYDROXYVALERIC ACID" AGRICULTURAL AND BIOLOGICAL CHEMISTRY, JAPAN SOCIETY FOR BIOSCIENCE, BIOTECHNOLOGY AND AGROCHEMISTRY,, JP, vol. 33, no. 8, 1969, pages 1152-1160, XP001131907 ISSN: 0002-1369 cited in the application the whole document	14,36-39
Y	US 4 278 765 A (DEBABOV VLADIMIR G ET AL) 14 July 1981 (1981-07-14) cited in the application the whole document	14,36-39
P,Y	WO 03/074719 A (DEGUSSA) 12 September 2003 (2003-09-12) the whole document	1-34, 36-39
	SMITH H W ET AL: "TRANSMISSIBLE SUBSTRATE—UTILIZING ABILITY IN ENTEROBACTERIA" JOURNAL OF GENERAL MICROBIOLOGY, SOCIETY FOR MICROBIOLOGY, READING, GB, vol. 87, no. 1, 1975, pages 129-140, XP001024294 ISSN: 0022-1287 cited in the application the whole document	35

rational application No. PCT/EP2004/008470

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This international Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. X As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-34 and 36-39

a process for the preparation of L-threonine using L-threonine-producing bacteria from the family Enterobacteriaceae, as claimed in claim 1 and embodiments thereof.

2. claim: 35

Saccharose-utilizing transconjugants of Escherichia coli K-12 deposited as DSM 16293 at the German Collection of Microorganisms and Cell Cultures (Braunschweig, Germany)

nformation on patent family members

In ional Application No
PCT/EP2004/008470

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